Environmental Toxicology and Water Quality

Subject Index to Volume 7

Acid orange 60 (Rao) 247
Acute toxicity (Nix) 171
Adsorption (Rao) 247
Aldehyde dehydrogenase test (Wiegand-Rosinus) 313
Algal bloom (Falconer) 119
Algal blooms (Ekman-Ekebom) 201
Algal toxin (Volterra) 215
Ames/*Salmonella* assay (Sanchez) 141
Ames test (Bessi) 71
Anabaena (Ekman-Ekebom) 201
Anhydrides (Süssmuth) 257
Anthracene (Liu) 355
Aphanizomenon (Ekman-Ekebom) 201
ATP extraction (Amyot) 295
ATP synthesis (Catallo) 1
Azaarenes toxicity (Catallo) 1
Azospirillum brasilense (Süssmuth) 257

Bacillus brevis (Boularbah) 237
Bacillus subtilis (Boularbah) 237
Bacillus thuringiensis (Süssmuth) 257
Bacteria (Rao) 247
Bacterial assay (Catallo) 1
Bacterial biosensors (van Hoof) 19
Bacterial test (Süssmuth) 257
Bacterial virus (Kott) 61
Bayluscide (Tchounwou) 107
β-galactosidase (Mazidji) 339
Bioassay (Stratton) 223
Biodegradation (Liu) 355
Biodegradation (Seigle-Murandi) 125
Biomonitoring (van Hoof) 19
Blue-green algae (Falconer) 119
Brackfish waters (Lindholm) 165
Brassica rapa (Sheppard) 275
Bromoxynil (St-Laurent) 35

Cadmium (Webster) 189
Cadmium biosorption (Boularbah) 237
Cadmium mobility (Boularbah) 237
Cadmium toxicity (Boularbah) 237
Cercariae mortality (Tchounwou) 107
Chlorination (Kott) 61
Chlorination (Sanchez) 141
Coliform (Kott) 61
Coliforms (Sato) 95
Coliphage (Kott) 61
Conditions affecting sensitivity (Süssmuth) 257
Contaminants (Rao) 247
Cup plate diffusion test (Süssmuth) 257
Cyanazine (St-Laurent) 35
Cyanobacteria (Ekman-Ekebom) 201
Cyanobacteria (Lindholm) 87
Cyanobacteria (Volterra) 215
Cyanobacterial blooms (Lindholm) 87
Cyclone fermentor (Liu) 355
Cytotoxicity (Johnson) 373

Daphnia ATP (Amyot) 295
Daphnia magna test (Nix) 171
Dinitrophenol (Webster) 189
Diquat dibromide (St-Laurent) 35
Direct sediment testing (Kwan) 49
Drinking water (Sanchez) 141
Drinking water (Volterra) 215
Dye (Rao) 247

Earthworm assay (Sheppard) 275
EC_{50} (Ghosh) 157
EC_{50} (St-Laurent) 35
Ecological effects (Lindholm) 87
EDTA chelation (Mazidji) 339
Enzyme inhibition assay (Wiegand-Rosinus) 313
Eutrophication (Falconer) 119
Eutrophication (Volterra) 215

Factors affecting enzyme test (Wiegand-Rosinus) 313
Factors affecting extraction (Amyot) 295
Factors affecting sensitivity (Süssmuth) 257
Fecal coliform (Kott) 61
Fecal coliform (Sato) 95
Fecal streptococci (Kott) 61
Fish kill (Lindholm) 165
Flagellate blooms (Lindholm) 165
Flask bioassay (St-Laurent) 35

Forest soil (Stratton) 223
Fungicides (Weigand-Rosinus) 313

Genotoxicity (Bessi) 71
Genotoxicity (Johnson) 373
Glyphosate (St-Laurent) 35
Glyphosate (Stratton) 223
Great Lakes (Johnson) 373
Growth inhibition (Süssmuth) 257

Half-life (Liu) 355
Heavy metals (Bitton) 323
Heavy metals (Boularbah) 237
Heavy metals (Mazidji) 339
Heavy metals (St-Laurent) 35
Hepatotoxicity (Ekman-Ekebom) 201
Hepatotoxicity (Falconer) 119
Hepatotoxic peptides (Lindholm) 87
Herbicide (St-Laurent) 35
Herbicide (Stratton) 223
Herbicides (van Hoof) 19
Herbicides (Wiegand-Rosinus) 313
Heterocyclics (Liu) 355
Hexazinone (St-Laurent) 35
Homogenization (Amyot) 295
Hydrophobic contaminants (Campbell) 329

Ichtyotoxin (Lindholm) 165
Imazamethabenz (St-Laurent) 35
Indicator (Kott) 61
Industrial wastewater (Mazidji) 339
Interlaboratory study (van Hoof) 19
INT reduction assay (Catallo) 1
In vitro assay (Johnson) 373

Lactones (Süssmuth) 257
Lactuca sativa (Sheppard) 275
Leachates (Bessi) 71
Luminescent bacterium (Johnson) 373
Lycopersicon esculentum (Sheppard) 275
Lysimeter study (Sheppard) 275

Malathion (Tchounwou) 107
Marine water (Sato) 95
Membrane damage (Catallo) 1
Metabolites (Liu) 355
Metal reclamation (Boularbah) 237
Metolachlor (St-Laurent) 35
MetPAD (Bitton) 323
Microbial biomass (Stratton) 223
Microbial toxicity test (Bitton) 323
Microbiological quality (Sato) 95
Microcrystins (Lindholm) 87
Microcystis (Ekman-Ekebom) 201
Microplate (St-Laurent) 35
Micropollutants (Bessi) 71
Microtox (Campbell) 329
Microtox (Ghosh) 157
Microtox (Mazidji) 339
Microtox test (Bitton) 323
Microtox test (Volterra) 215
Molluscicides (Tchounwou) 107
Mouse bioassay (Ekman-Ekebom) 201
Mutagenicity (Bessi) 71
Mutagenicity (Sanchez) 141
Mutatox assay (Johnson) 373
Mycotoxins (Süssmuth) 257

Naphthalene (Liu) 355
Neurotoxicity (Ekman-Ekebom) 201
Nitrate reductase test (Weignand-Rosinus) 313
Nodularia spumigena (Falconer) 119

Oil sands (Nix) 171
Oligomycin (Webster) 189

PAHs (Liu) 355
Pathways (Liu) 355
Pentachlorophenol (Seigle-Murandi) 125
Pesticides (Süssmuth) 257
Pesticides (Wiegand-Rosinus) 313
Phenanthrene (Liu) 355
Phenol (Ghosh) 157
Phenoloxidase (Seigle-Murandi) 119
Phosphatase assay (Sheppard) 275
Photobacterium phosphorium (Ghosh) 157
Photobacterium phosphorium (Johnson) 373
Phytotoxicity (Sheppard) 275
Phytotoxicity (St-Laurent) 35
Picloram (St.-Laurent) 35
Pinus strobus (Sheppard) 275
Preteolipid toxins (Lindholm) 165
Priority areas (Johnson) 373
Prodigion production (Süssmuth) 257
Progenotoxins (Johnson) 373
Proteus mirabilis (Süssmuth) 257
Prymnesium parvum Carter (Lindholm) 165

Quinoline (Liu) 355

Reclamation (Nix) 171
Respiration (Webster) 189
Respiratory inhibition (Catallo) 1

Salmonella (Sato) 95
Schistosoma mansoni (Tchounwou) 107
Schistosomiasis control (Tchounwou) 107
Sediment (Campbell) 329
Sediment (Johnson) 373
Sediment testing (Kwan) 49
Sediment toxicity (Bitton) 323
Selenastrum capricornutum (St-Laurent) 35
Selenastrum capricornutum bioassay (Nix) 171
Serratia marcescens (Süssmuth) 257
Shellfish (Sato) 95
Short-term bioassay (Wiegand-Rosinus) 313
Size fraction (Rao) 247
Soil respiration (Stratton) 223
Solid wastes (Bessi) 71
Solvent extraction (Campbell) 329
SOS chromotest (Kwan) 49
Sublethal toxicity (Nix) 171
Suspended aggregates (Rao) 247
Swarming inhibition (Süssmuth) 257

Tailings pond (Nix) 171
Toxic blooms (Volterra) 215
Toxi-chromotest (Kwan) 49
Toxicity (Campbell) 329
Toxicity (Ekman-Ekebom) 201
Toxicity (Falconer) 119
Toxicity (Ghosh) 157
Toxicity mechanism (Catallo) 1
Toxic Phytoplankton (Lindholm) 165
Toxic threshold (Sheppard) 275
Trout LC_{50} test (Nix) 171
2,4-D (St-Laurent) 35

Ulva lactuca (Webster) 189
Uncouplers (Webster) 189
Uranium toxicity (Sheppard) 275

Wastewater upgrading (Kott) 61
Water hardness (Mazidji) 339
Water pollutants (van Hoof) 19
Water quality (Sanchez) 141
Water quality (Nix) 171

Zea mays (Sheppard) 275
Zooplankton ATP (Amyot) 295
Zygomycetes (Seigle-Murandi) 125

Environmental Toxicology and Water Quality

Author Index to Volume 7

Amyot, M,
Firefly Assay of ATP from Freshwater Sooplankton: Comparison of Extraction Methods, 295
Anderson, AC, see Tchounwou, PB
Anderson, AJ, see Sheppard, SC

Bastien, C, see Amyot, M
Belkhadir, E, see Bessi, H
Benoit-Guyod, J-L, see Seigle-Murandi, F
Bessi, H,
Genotoxicity of Hazardous Leachates from Solid Wastes Evaluated for Environmental Impact with the Ames Test, 71
Bitton, G,
MetPAD: A Bioassay Kit for the Specific Determination of Heavy Metal Toxicity in Sediments from Hazardous Waste Sites, 323
See also Boularbah, A
See also Campbell, M
See also Mazidji, CN
Blaise, C, see Amyot, M
See also St-Laurent, D
Boularbah, A,
Cadmium Biosorption and Toxicity to Six Cadmium-Resistant Gram-Positive Bacteria Isolated from Contaminated Soil, 237
Briers, MG, see van Hoof, FM
Bruno, M, see Volterra, L

Campbell, M,
Preliminary Comparison of Sediment Extraction Procedures and Exchange Solvents for Hydrophobic Compounds Based on Inhibition of Bioluminescence, 329
See also Bitton, G
Catallo, WJ,
Toxicity of Azaarenes in Bacterial Assays: Mechanistic Studies, 1
Choice, A, see Falconer, IR
Coelho, MCL, see Sanchez, PS
Coimbrão, CA, see Sanchez, PS
Colin, F, see Bessi, H

de Jonghe, EG, see van Hoof, FM
Delfino JJ, see Campbell, M
Doctor, PB, see Ghosh, SK
Dutka, BJ, see Kwan, KK

Ekman-Ekebom, M,
Toxic Cyanobacteria in Some Finnish Lakes, 201
Englande, Jr., AJ, see Tchounwou, PB
Eriksson, JE, see Lindholm, T
Evenden, WG, see Sheppard, SC

Falconer, IR,
Toxicity of Edible Mussels (*Mytilus edulis*) Growing Naturally in an Estuary During a Water Bloom of the Blue-Green Alga *Nodularia spumigena*, 119
Ferard, JF, see Bessi, H

Gadd, GM, see Webster, EA
Gale, RJ, see Catallo, WJ
Ghosh, SK,
Toxicity Screening of Phenol Using Microtox, 157
Greer, GJ, see Tchounwou, PB
Gucci, PMP, see Volterra, L
Guckert, A, see Boularbah, A
Guiraud, P, see Seigle-Murandi, F

Haberer, K, see Wiegand-Rosinus, M
Hansen, PD, see van Hoof, FM
Hosja, W, see Falconer, IR

Johnson, BT,
Potential Genotoxicity of Sediments from the Great Lakes, 373

Kauppi, M, see Ekman-Ekebom, M
Koopman, B, see Bitton, G
See also Campbell, M
See also Mazidji, CN

Kott, Y,
Wastewater Upgrading as Measured by Coliphage, 61
Krishnappan, BG, see Rao, SS
Kwan, KK,
A Novel Bioassay Approach: Direct Application of the Toxi-Chromotest and the SOS Chromotest to Sediments, 49

Lenz, P, see Süssmuth, R
Lepistö, L, see Ekman-Ekebom, M
Lindholm, T,
A Bloom of *Prymnesium parvum* Carter in a Small Coastal Inlet in Dragsfjard, Southwestern Finland, 165
Ecological Effects of Hepatoxic Cyanobacteria, 87
Liu, D,
Microbial Degradation of Polycyclic Aromatic Hydrocarbons and Polycyclic Aromatic Nitrogen Heterocyclics, 355

MacQuarrie, P, see St-Laurent, D
Maguire, RJ, see Liu, D
See also Rao, SS
Malek, EA, see Tchounwou, PB
Martins, MT, see Sanchez, PS
Martin, RW, see Nix, PG
Matté, GR, see Sato, MIZ
Mazidji, CN,
Distinction Between Heavy Metal and Organic Toxicity Using EDTA Chelation and Microbial Assays, 339
Meriluoto, JAO, see Lindholm, T
Méthot, G, see Amyot, M
Monteiro, CK, see Sato, MIZ
Morel, JL, see Boularbah, A
Müller, D, see Süssmuth, R

Nagy, E, see Liu, D
Neita, D, see Mazidji, CN
Niemi, M, see Ekman-Ekebom
Nix, PG,
Detoxification and Reclamation of Suncor's Oil Sand Tailings Ponds, 171

Obst, U, see Wiegand-Rosinus, M
Ongley, ED, see Rao, SS
Ostini, S, see Sato, MIZ

Pacepavicius, GJ, see Liu, D
Pierdominici, E, see Volterra, L
Pinel-Alloul, B, see Amyot, M
Pluta, HJ, see van Hoof, FM
Portier, RJ, see Catallo, WJ

Rao, SS,
Effect of Suspended Aggregate Sizes on the Adsorption of Water-Soluble Dyes in an Aquatic Environment, 247
Rawson, DM, see van Hoof, FM
Reinkainen, M, see Lindholm, T
Sanchez, PS,
Assessment of Mutagenic Activity in Drinking Water from São Paulo City, Brazil, 141
See also Sati, MIZ
Sato, MIZ,
Shellfish and Marine Water Microbiological Quality, 95
See also Sanchez, PS
Scroggins, R, see St-Laurent, D
Seigle-Murandi, F,
Biodegradation of Pentachlorophenol by Micromycetes. I. Zygomycetes, 125
Sheppard, SC,
Multiple Assays of Uranium Toxicity in Soil, 275
Sivonen, K, see Ekman-Ekebom, M
Steiman, R, see Seigle-Murandi, F
Stewart, KE, see Stratton, GW
St-Laurent, D,
Comparative Assessment of Herbicide Phytotoxicity to *Selenastrum capricornutum* Using Microplate and Flask Bioassay Procedures, 35
Stoppe, NC, see Sato, MIZ
Stratton, GW,
Glyphosphate Effects on Microbial Biomass in a Coniferous Forest Soil, 223
Süssmuth, R,
Effect of Test Conditions and Interfering Factors on Sensitivity of Bacterial Tests Based on Inhibition of Growth and Motility, 257

Tchounwou, PB,
The Effects of Bayluscide and Malathion on the Mortality and Infectivity of *Schistosoma mansoni* Cercariae, 107
Thellen, C, see Amyot, M
Trottier, B, see St-Laurent, D

Valent, GU, see Sanchez, PS
Van Coillie, R, see Amyot, M
van Hoof, FM,
The Evaluation of Bacterial Biosensors for Screening of Water Pollutants, 19
Vasseur, P, see Bessi, H
Virtanen, T, see Lindholm, T
Volterra, L,
Fast Method for Detecting Toxic Cyanophyte Blooms, 215

Webster, EA,
Cadmium as an Uncoupler of Respiration in *Ulva lactuca*, 189
Weng, J-H, see Rao, SS
Wiegand-Rosinus, M,
Enzymes *In Vitro* as Indicators for Pesticides: An Examination, 313
Wild, A, see Wiegand-Rosinus, M
Wilmer, AJ, see van Hoof, FM